

Title (en)  
JOINT MEMBER FOR WIPER BLADE, AND WIPER BLADE

Title (de)  
VERBUNDUNGSGLIED FÜR WISCHERBLATT UND WISCHERBLATT

Title (fr)  
ARTICULATION DE BALAI D'ESSUIE-GLACE ET BALAI D'ESSUIE-GLACE

Publication  
**EP 1547885 A4 20060405 (EN)**

Application  
**EP 03748678 A 20031002**

Priority

- JP 0312661 W 20031002
- JP 2002292124 A 20021004

Abstract (en)  
[origin: EP1547885A1] A connector 20 for securing a wiper blade to a wiper arm includes a base member 21 including a forward upper portion 32 and a rearward upper portion 33; a locking member 22 for holding either a U-hook portion 12 or a side pin 11 mounted to the base member 21; and a flexible connecting member 23 connecting the locking member 22 to the base member 21. To attach the connector 20 to the side pin 11, the connector 20 is rotated toward the side pin 11 from the opposite side of the side pin 11 so that the side pin 11 fits into the recess 33A of the rearward upper portion 33. The side pin 11 also fit into the recesses 47 and 48 of the locking member 22 so that the side pin 11 is held between the base member 21 and the locking member 22. The connector 20 enables the firm securing of the wiper blade to the wiper arm so as to restrict vibrations between the wiper blade and the wiper arm. The wear-out of the connector 20 is also decreased. <IMAGE>

IPC 1-7  
**B60S 1/40**

IPC 8 full level  
**B60S 1/40** (2006.01)

CPC (source: EP KR US)  
**B60S 1/40** (2013.01 - EP KR US); **B60S 1/4003** (2013.01 - EP US); **B60S 1/4074** (2013.01 - EP US); **B60S 1/4009** (2013.01 - EP US)

Citation (search report)

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- [A] US 5611103 A 19970318 - LEE ALBERT [US]
- [X] DE 3331310 A1 19850314 - SWF AUTO ELECTRIC GMBH [DE]
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- See references of WO 2004031007A1

Designated contracting state (EPC)  
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**EP 1547885 A1 20050629; EP 1547885 A4 20060405; EP 1547885 B1 20080220**; CA 2500891 A1 20040415; CA 2500891 C 20110524; DE 60319247 D1 20080403; DE 60319247 T2 20080619; DK 1547885 T3 20080325; ES 2302937 T3 20080801; JP 2004123009 A 20040422; JP 4133187 B2 20080813; KR 101067784 B1 20110928; KR 20050062585 A 20050623; NO 20051595 L 20050413; NO 327335 B1 20090615; PL 212208 B1 20120831; PL 375049 A1 20051114; TW 200408574 A 20040601; TW I261036 B 20060901; US 2006053578 A1 20060316; US 7669277 B2 20100302; WO 2004031007 A1 20040415

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